



CITY OF GARFIELD HEIGHTS State of Ohio

BID DOCUMENT NO: **80-2017** INVITATION TO BID

NOTICE TO BIDDERS: Sealed bids will be received until the time, and the place, and for the product(s) or service(s) as listed on the PROPOSAL-CONTRACT FORM attached. The bids will be received in the office of the Commissioner of Purchases and Supplies, Finance Department, 5407 Turney Road, Garfield Heights, Ohio 44125, containing quotations for supplying the City of Garfield Heights, Ohio, with item(s) or service(s) herein listed and as further specified. These bids will be publicly opened in the Council Chambers in the Civic Center, or other designated area, in the presence of bidders and City officials. All bidders and the public are invited to attend the bid opening. After tabulation and review and when required, bids will be presented to the Board of Control for award of contract.

HOW TO SUBMIT PROPOSAL: All bids shall be submitted in sealed envelopes, mailed or delivered to the City of Garfield Heights, Attn. Commissioner of Purchases, 5407 Turney Road, Garfield Heights, Ohio 44125, and plainly marked on the outside the BID NUMBER, IDENTIFICATION OF ITEM YOU ARE BIDDING, AND TIME AND DATE OF BID OPENING. It will be the sole responsibility of the bidder to ensure that his proposal reaches the office of the Finance Department on or before closing hour and date shown on Proposal-Contract form attached.

PURPOSE OF BID: The City of Garfield Heights, Ohio, intends to secure a source of supply for the item(s) or service(s) at the lowest price: early and satisfactory manufacture; and prompt and convenient shipment and service by the supplier to the City. Any failure on the part of the supplier to comply with the ensuing conditions and specifications shall be reason for termination of contract. The City reserves the right to make an award to the supplier where the product meets the specifications, terms, and conditions and where bid is considered to best serve the City's interests.

REJECTION OF BIDS: The City reserves the right to reject any and all bids or to accept the bid or any part of which is determined to best suit the needs of the City.

SPECIFICATIONS: Whenever a bid is sought seeking a source of supply for items or services, the quantities or usage shown are estimated ONLY unless otherwise stated. No guarantee or warranty is given or implied by the City as to the total amount that may be or may not be purchased from any resulting contracts. These quantities are for bidders information ONLY and will be used for tabulation and presentation of bid and the City reserves the right to increase or decrease quantities as required.

If and wherever in the specifications a brand name make, name of manufacturer, trade name, or vendor catalog number is mentioned it is for the purpose of establishing a grade or quality of material only. Since the City does not wish to rule out other competition and equal brands or makes, the phrase OR APPROVED EQUAL is added. However, if a product other than those specified is bid, it is the vendor's responsibility to name such a product within his bid and to prove to the City that said product is equal to that specified and to submit brochures, samples, and/or specification detail on the item(s) bid. THE CITY SHALL BE THE SOLE JUDGE CONCERNING THE MERITS OF BIDS SUBMITTED.

BID SUBMISSION: Bidder shall submit THREE (3) completed copies of PROPOSAL-CONTRACT FORMS with bid - one copy may be retained for bidder's file.

INSTRUCTIONS TO BIDDERS

(Only '(X)' items pertaining to this bid)

- 1. SUBMISSION AND RECEIPT OF BIDS:**
 - a. Proposals to receive consideration must be received on or prior to the specified time of opening as designated in the proposal.
 - b. Unless otherwise specified, bidders MUST use proposal forms furnished by the City and be submitted *in* TRIPPLICATE. Failure to do so may cause bid to be rejected. Removal of any part of the bid proposal may invalidate the bid.
 - c. Proposals having any erasures or corrections MUST be initialed by bidder in ink. Bids shall be signed in ink; all quotations shall be typewritten or filled in with pen and ink.
 - d. Separate proposals MUST be submitted in each Bid Document Reference Number.
- 2. NAME OF BIDDER:**

Each proposal MUST contain the full name and address of each person or corporation interested therein. In case of a partnership, the name and address of each partner shall be stated in the proposal. The firm, corporation or individual name of the bidder MUST be signed by the bidder. In case of a corporation, the title of the officer signing shall be stated. In case of a partnership, the signature of at least one of the partners shall follow the firm name, using the term "member of firm". In case of an individual, use the term "Doing business as _____" or "sole owner."
- 3. DESCRIPTIVE DATA:** Bidders MUST enclose with their bid forms data sheets, specifications, catalogs or literature completely describing the equipment, product or service to be furnished to the City of Garfield Heights, Ohio .
- 4. EQUAL OPPORTUNITY CLAUSE:**

Bidders MUST verify with their bid that they are an Equal Opportunity Employer.
- 5. CONTRACT PERIODS:**

Grant Period Performance – September 1, 2017 to August 31, 2018

- 6. CANCELLATION CLAUSE:** A contract may be terminated at any time by either party giving thirty (30) days written notice to the other party of the intention to terminate the contract.
- 7. ASSIGNMENT OF CONTRACT:** The successful bidder shall NOT assign, transfer, convey, sublet or otherwise dispose of said contract, or his right, title or interest in or to same, or any part thereof without previous consent in writing from the City of Garfield Heights, Ohio, endorsed on or attached to the contract.

- 8. SERVICE AND PARTS:**
Bidders MUST be prepared to submit evidence to the City, in addition to that required in the attached specifications that qualified personnel and adequate parts inventory are available to maintain all equipment covered in effective operation.
- 9. GUARANTEES/WARRANTIES:**
Bidders MUST indicate on the PROPOSAL-CONTRACT FORM the full guarantees and/or warranties prevailing on all equipment, parts and labor.
- 10. DELIVERY AND/OR COMPLETION:**
Bidders shall indicate on PROPOSAL-CONTRACT FORM delivery or completion date of item(s) or service(s). If delivery or completion is not made within the time specified by the bidder a penalty shall be assessed in the amount of five (5%) of the total contract price, and same penalty will be deducted from final billing.
- 11. BID BOND:**
All bidders MUST submit with their sealed bid a BID BOND or CERTIFIED CHECK to the City of Garfield Heights, Ohio, in the amount of five percent (5%) of the net amount of their total bid. Bonds and checks will be returned to the bidders **after an award has been made, or bids have been rejected.**
- 12. PERFORMANCE BOND:**
The successful bidder MUST submit a PERFORMANCE BOND or CERTIFIED CHECK in the amount of One Hundred percent (100%) of the contract amount awarded. The BOND or CHECK MUST be submitted to the City of Garfield Heights, Ohio, within fourteen (14) days after being notified that contract has been awarded.
- 13. MANUALS, INSTRUCTIONS, ETC.:**
Successful bidder MUST deliver with the equipment or product **two (2)** copies each of operating, shop and parts manuals; instructions and schematics pertaining to the equipment or product to be furnished the city.
- 14. SAMPLES AND/OR DEMONSTRATIONS:**
Evidence in the form of samples may be requested (when required) if brand is other than specified. Such samples are to be furnished after the date of bid opening only upon request of the City unless otherwise stated in the bid documents. If samples should be requested, such samples must be received by the City no later than seven (7) days after formal request is made. When required, the City may request full demonstrations of any item(s) bid prior to the award of any contract. Samples, when requested, must be furnished free of any expense to the City, and if not used in testing or destroyed, will upon request within thirty (30) days of receipt by the City be returned at the bidder's expense.
- 15. QUALITY:**
All materials used for the manufacture or construction of any item(s) covered by this bid shall be new. The items bid must be new, the latest model, of the best quality and highest grade of workmanship, unless otherwise specified by the City.
- 16. DEFAULT PROVISION:**
In case of default by the bidder or contractor, the City of Garfield Heights, Ohio, may procure the articles or services from other sources and hold the bidder or contractor responsible for any excess costs occasioned or incurred thereby.
- 17. COPYRIGHTS OR PATENT RIGHTS:**
Bidder warrants that there has been no violation of copyrights or patent rights in manufacturing, producing or selling the goods shipped or ordered as a result of this bid, and seller agrees to hold the City harmless from any and all liability, loss, or expense occasioned by any such violation.
- 18. INSPECTION EXPENSES:**
Should it be required that City personnel travel outside of the City of Garfield Heights, Ohio, to inspect product(s) or equipment, all expenses covering such travel shall be at the expense of the bidder or contractor.
- 19. LIABILITY INSURANCE:**
The successful bidder MUST carry Public Liability Insurance with limits of at least \$100,000/\$300,000 to protect the City of Garfield Heights, Ohio, and said bidder, shall comply with the requirements of all Federal and State Laws and Regulations relating to Social Security, Unemployment Insurance and Workmen's Compensation so that the City of Garfield Heights, Ohio, will not be liable in any way for any claim evolving from said work in carrying out the contract.
- 20. CONSTRUCTION OR RECONSTRUCTION CONTRACTS:**
Any contract exceeding \$4,000.00 under this category shall be subject to compliance of the Ohio Revised Code, Chapter 4115, relating to prevailing Wage Laws. COPY OF SAME TO BE SUBMITTED WITH BID.
- 21. WITHDRAWAL OF BIDS:**
A written request for the withdrawal of a bid or any part thereof will be granted if the request is received by the City of Garfield Heights, Ohio, prior to the specified time of opening. Formal bids, amendments thereto, or requests for withdrawal of bids received by the City of Garfield Heights, Ohio, after time specified for bid opening will not be considered.
- 22. FAILURE TO QUOTE:**
If you do not quote, please return bidding documents, state reason thereon, and request that your name be retained on our mailing list, otherwise, your name may be removed from our bid mailing list.
- 23. TAXES:**
The City of Garfield Heights, Ohio, is exempt from Federal Excise Tax and Ohio Sales Tax and same shall not be charged to the City.
- 24. ADDENDUMS:**
During the bidding period, the City reserves the right to notify the prospective bidders of any changes that may be made covering the Instructions to Bidders, Specifications and Proposal-Contract forms.
- 25. FURTHER INFORMATION OR CLARIFICATION:**
Should prospective bidders require information or clarification, contact Fire Dept. 216-475-4053.
- 26. ADDITIONAL INSTRUCTION TO BIDDERS:** Additional Instructions to Bidders may be covered in specifications.



CITY OF GARFIELD HEIGHTS
State of Ohio

BID DOCUMENT NO: **80-2017**

DETAILED SPECIFICATIONS

General Self-Contained Breathing Apparatus Requirements

The purpose of this bid specification is to establish the minimum requirements for an open circuit self-contained breathing apparatus (SCBA). The SCBA shall consist of the following major subassemblies:

- Full face piece assembly
- Removable face piece-mounted, positive pressure breathing regulator with air-saver switch
- Automatic dual path redundant pressure reducing regulator with bottles
- End-of-service time indicators
- Harness and back frame assembly for supporting the equipment on the body of the wearer
- Shoulder strap mounted, remote gauge indicating cylinder pressure
- Rapid intervention crew/universal air connection (RIC/UAC)
- Cylinder and valve assembly for storing breathing air under pressure
- Washable Harness
- Dual EBSS and quick connect hose.

QUANTITIES NEEDED FOR BID:

- 18 Self Contained Breathing Apparatus with Dual EBSS, Quick Connect hose for mask mounted regulator (see below for specification)**
- 45 Face pieces with protection bags**
- 36 45 minute cylinders**
- 9 Strapless Quick Release SCBA brackets to exceed 9G Standard, with pull release.**
- 9 Sets of SCBA U Brackets Mounts**
- 3 Field Level Maintenance Training**

The successful bidder agrees to provide, at their own expense, a factory trained instructor for such time as the respirator user shall require complete instruction in the operation and maintenance of the respirator. Any exceptions to these specifications must be detailed in a separate attachment. Failure to do so will automatically disqualify the bidder.

The successful bidder must be a sales distributor, authorized by the manufacturer, to sell the equipment specified herein.

The SCBA shall maintain all **NIOSH** standards with any of the following types of cylinders listed as provided by the SCBA manufacturer.

Approvals

The SCBA shall be approved to NIOSH 42 CFR, Part 84 for chemical, biological, radiological and nuclear protection (CBRN). The SCBA shall be compliant to the NFPA 1981, 2013 Edition, Standard on Open-Circuit Self-Contained Breathing Apparatus for Emergency Services. The SCBA shall be compliant to the NFPA 1982, 2013 Edition, Standard on Personal Alert Safety Systems. All electronic components shall be approved for Intrinsic Safety under UL 913 Class I, Groups C and D, Class II, Groups E, F and G, Hazardous locations

Required Components

Face Piece

The face piece shall have a large diameter inlet serving as the female half of a quarter (1/4) turn coupling which mates with the positive pressure breathing regulator. The face piece shall be approved for use with multiple respiratory applications to enable the same user to switch from one application to another without the use of tools and without doffing the face piece. The full face piece assembly shall fit persons of varying facial shapes and sizes with minimal visual interference. The full face piece assembly shall be available in three sizes marked "S" for Small, "M" for Medium, and "L" for Large. The face piece sizes shall be easily identifiable through a color-coding scheme.

The face piece assembly, including head harness, shall be latex free. The face piece series shall have a face seal that is secured to the lens by a U-shaped channel frame that is retained to the lens using two fasteners. The face seal shall be a reverse reflex design for enhanced fit and comfort. The face piece shall contain inhalation valves that are readily visible to enable quick visual inspection. The lens shall be a single, replaceable, modified cone configuration constructed of a non-shatter type polycarbonate material.

In accordance with NIOSH 42 CFR part 84, the face piece meets penetration and impact requirements, including compliance with ANSI Z87.1 - 2010. The lens shall have a coating to resist abrasion and chemical attack and meet the requirements of NFPA-1981, for lens abrasion. The lens shall have an internal anti-fog coating to reduce fogging of the lens. Multidirectional voicemitters shall be mounted on both sides of the face piece and ducted directly to an integral silicone nose cup to enhance voice transmission. The face piece assembly shall be able to incorporate multiple electronic communications options (amplification, radio interface, wireless, etc.) without affecting NIOSH approvals or NFPA/CBRN approvals where applicable.

The face piece shall enable the transmission of communications bracket on either the right or left side.

The head harness shall be a five-point suspension made in the fashion of a net hood to minimize interference between securing of the face piece and the wearing of head protection, and be constructed of a para-aramid material for fire, first responder and CBRN applications.

Mask-Mounted Regulator

The face piece-mounted positive pressure-breathing regulator shall supply and maintain air to the face piece to satisfy the needs of the user at a pressure greater than atmospheric by no more than 1.5 inches of water pressure static. The breathing regulator shall maintain positive pressure during flows of up to 500 standard liters per minute. The regulator shall also meet or exceed a dynamic flow requirement of remaining positive while supplying a minute volume of 160 liters.

The breathing regulator shall have attached a low pressure hose which shall be threaded through the left shoulder strap to couple to the pressure reducing regulator mounted on the back frame. An optional regulator shall be available with a quick connect coupling in line for use with the optional outlet manifold and accessory hose to allow the breathing regulator to be disconnected from the unit and reconnected to the auxiliary hose of a second unit in the event rescue is required. The optional quick connect coupling shall be easily connected and disconnected by trained individuals with a gloved hand and/or in low light conditions. The optional quick connect coupling shall not allow the air hose to be connected without the HUD Connection. The optional coupling shall also be guarded against inadvertent disconnect during use of the equipment. The low-pressure hose shall be equipped with a swivel attachment at the face piece mounted regulator.

The regulator shall connect to the face piece by way of a quarter (1/4) turn coupling. The user shall hear an audible sound when the regulator is attached correctly to the face piece. The regulator shall be equipped with a doughnut-shaped gasket which provides a seal against the mating surface of the face piece. The regulator cover shall be fabricated of a flame resistant, high impact plastic. The breathing regulator shall have a demand valve to deliver air to the user, activated by a diaphragm responsive to respiration. The demand valve shall use an extended temperature range dynamic O-ring seal composed of a fluorosilicone elastomer.

The diaphragm shall include the system exhalation valve and shall be constructed from a high strength butyl elastomer. A purge valve shall be situated at the inlet of the breathing regulator and shall be capable of delivering airflow of between 125 and 225 standard liters per minute. The breathing regulator shall be arranged to direct the incoming air over the inner surface of the face piece for defogging purposes. The components of the breathing regulator shall be constructed of materials that are not vulnerable to corrosion. The flame resistant cover shall contain an air saver switch and pressure demand bias mechanism. It shall reactivate and supply air only in the positive pressure mode when the wearer affects a face seal and inhales. This device shall not affect the breathing flow through the system while in operation.

Pressure Reducer with Quick Change Cylinder Connection

The pressure-reducing regulator shall be mounted on the back frame and be coupled to the cylinder valve through a patented stainless steel quick connect snout for engagement and sealing within the cylinder valve outlet. The cylinder shall be secured to the pressure-reducing regulator with two pull rings 180 degrees from each other. A stainless steel rod shall secure each of the pull-rings. The stainless steel rods shall be actuated when the cylinder is opened and when cylinder pressure is above 30 psig. In lieu of a manual by-pass, the pressure-reducing regulator shall include a back-up pressure reducing valve connected in parallel with the primary pressure reducing valve and an automatic transfer valve for redundant control. The back-up pressure reducing valve shall also be the means of activating the low-pressure alarm devices in the face piece-mounted breathing regulator. This warning shall denote a switch from the primary reducing valve to the back-up reducing valve whether from a malfunction of the primary reducing valve or from low cylinder supply pressure.

A press-to-test valve shall be included to allow bench testing of the back-up reducing valve. The pressure-reducing regulator shall have extended temperature range dynamic O-ring seals composed of fluorosilicone elastomer. The pressure reducing regulator shall have incorporated a resettable over-pressurization relief valve which shall prevent the attached low pressure hose and face piece mounted breathing regulator from being subjected to high pressure.

End-of-Service Time Indicator (EOSTI)

The SCBA shall have two end-of-service time indicators (EOSTI), a tactile alarm and a Heads Up-Display (**HUD**). The primary EOSTI shall be the integral low-pressure alarm device that shall combine an audible alarm with simultaneous vibration of the face piece. The primary EOSTI shall be located in the Face piece-Mounted Positive Pressure Regulator. This alarm device shall indicate either low cylinder pressure (33% +5%, -0%) or primary first stage regulator failure.

The **HUD** shall serve as the secondary EOSTI indicator. The HUD shall be powered by the SCBA's single power supply. It shall be mounted in the user's field of vision on the Facepiece-Mounted Positive Pressure Regulator. It shall display cylinder pressure in increments of 100%, 75%, 50% and 33%. The display shall not have a numerical representation of bottle pressure. At full bottle pressure, two green Light Emitting Diodes (LED) shall be illuminated. At three-quarter bottle pressure, one green LED shall be illuminated. At one-half bottle pressure, one "yellow" LED shall be illuminated and flash at a rate not to exceed one (1x) time per second. At one-third bottle pressure, one "red" LED shall be illuminated and flash at a rate not to exceed ten (10x) times per second. The HUD shall have a low battery indication that is distinct and distinguishable from the bottle pressure indications.

Harness and Back Frame Assembly

A lightweight, lumbar support style back frame and harness assembly shall be used to carry the cylinder and valve assembly and the pressure reducing regulator assembly. The back frame shall be a solid, one-piece black powder-coated aluminum frame that is contoured to follow the shape of the user's back. The back frame shall include a mounting for the pressure reducer. The back frame shall include an over-the-center, adjustable tri-slide fixture, a para-aramid strap and a double-locking latch assembly to secure 30, 45, 60, or 75 minute cylinders.

The harness assembly shall consist of a one size black para-aramid strap with two red stripes along the outer edges and a reflective stripe in the center. The shoulder harness shall include reflective materials to enhance the visibility of the wearer in low light conditions. This harness shall include box-stitched construction with no screws or bolts. The harness assembly shall incorporate parachute-type, quick-release buckles and shall include shoulder and hip pads.

The harness shall include a seat-belt type waist attachment. The shoulder strap shall be fitted with a Drag Rescue Loop (DRL) capable of being deployed in an emergency situation to drag a downed firefighter to safety. The shoulder strap shall be attached to the backframe such that the harness presents itself for ease of donning.

The harness assembly shall be easily removable from backframe without tools; the harness assembly shall be machine washable to minimize contamination.

The back frame shall include accommodation and mounting spaces suitable for installation of a distress alarm integrated with the SCBA. These mounting spaces shall permit installation of an alarm sensor module in an area between the cylinder hanger locking mechanism and the back frame. The shoulder harness shall accommodate a mounting clip for attachment of a handheld radio remote speaker microphone.

Rapid Intervention Connection

The SCBA shall incorporate a RIC/UAC fitting to be compliant with the 2013 edition of the NFPA 1981 Self-Contained Breathing Apparatus standard. The RIC/UAC shall be an integral part of the high-pressure hose that attaches the cylinder valve to the first stage pressure reducer. The RIC/UAC inlet connection shall be within 4" (4-inches) of the tip of the CGA threads of the cylinder valve. The RIC/UAC shall consist of a connection for attaching a high-pressure air source and a self-resetting relief valve allowing a higher pressure than that of the SCBA to be attached to the SCBA. The RIC/UAC shall have a check valve to prevent the loss of air when the high-pressure air source has been disconnected.

Cylinders

The cylinder threads shall be straight with an O-ring or quad-ring gasket type seal. The cylinder valve shall be a "fail open" type, constructed of forged aluminum and designed such that no stem packing or packing gland nuts are required. It shall contain an upper and lower seat such that the pressure will seal the stem on the upper seat, thus preventing leakage past the stem. No adjustment shall be necessary during the life of the valve. The SCBA is equipped with a quick change cylinder connection, the cylinder valve shall be designed with a quick connect that delivers air directly to the first stage pressure reducing regulator. With a quick change cylinder connection, the cylinder valve shall be offered with a CGA fitting for the purposes of filling the cylinder only. With a connection, the fill fitting shall have a check valve to prevent flow from the cylinder. With a quick change cylinder connection, the fill fitting shall be provided with a dust cover to protect threads from damage and prevent interior surfaces from being contaminated when not in use. With a quick change cylinder connection, the dust cover shall be retained to the cylinder valve.

The Cylinder valve shall have an RFID tag molded into the elastomeric bumper with universal RFID marking embossment. The RFID tag shall be capable of storing product specific information, including Serial number, manufacture date, Hydrostatic test date, pressure rating, life expectancy, and fill logs.

Carbon-Wrapped

The cylinder shall be manufactured in accordance with DOT specifications and meet the Transport Canada requirements with working pressures 4500. The cylinder shall be lightweight, composite type cylinder consisting of an aluminum alloy inner shell, with a total overwrap of carbon fiber, fiberglass and an epoxy resin. The cylinder shall be a 45-minute bottle based on the NIOSH breathing rate of 40 liters per minute.

Personal Alert Safety System

The PASS device shall be compliant to the NFPA 1982, 2013 Edition Standard on Personal Alert Safety Systems. Operation of this distress alarm shall be initiated with the opening of the valve of an SCBA charged cylinder. The system shall feature a "hands-free" re-set capability that may be activated by means of a slight movement of the SCBA when the system is in a pre-alert mode. When the PASS device goes into pre-alarm, the user shall be notified through a distinct light pattern in the HUD display.

The system shall operate from a single power source containing six "AA" batteries. The battery life of the SCBA with PASS only shall be no less than 200 hours. The system shall have a battery check function that provides an LED indication of battery status while the SCBA is not pressurized. The PASS System shall be upgradeable to include a 2.4 GHz integrated locator system. The PASS System shall be upgradeable to include a 2.4 GHz integrated SCBA air / PASS (telemetry) management system. The PASS device shall contain two components: a Console and a Sensor Module.

Console

The console shall be located on the user's right shoulder strap. The console shall contain an integral edge lit mechanical pressure gauge that is automatically energized by opening the cylinder valve. The console shall display to the user the following:

- Pre-Alarm: alternating red flashing LED's
- Full Alarm: dual flashing red LED's and a flashing PASS icon
- Low Battery: red flashing LED's
- Normal System Operation: flashing green LED.

The console shall contain a photo sensing diode to dim and brighten the HUD as the environment changes. The console shall contain an integrated RFID tag. The console shall contain push buttons for user interface. The push buttons shall be designed to minimize accidental activation. A yellow color-coded push button shall permit system reset. A red color coded push button shall permit manual activation of the full alarm mode.

Sensor Module

The system shall include a sensor module mounted to the SCBA back frame and located in an area between the cylinder and back frame in a manner designed to protect the assembly from damage. The sensor module shall contain a motion sensor that is sensitive to user hip movement to reduce false activations. The sensor module shall contain redundant, dual sound emitters for the audible alarm and dual visual "buddy" indicators. The sensor module sound emitters shall be oriented in multi-directions for optimal sound projection. The visual indicators on the back frame mounted sensor module shall flash green at full bottle pressure, at one-half bottle pressure the visual indicator shall flash amber and The visual indicators shall flash red 1) when the device is in pre-alert; 2) when the device is in full-alert; and 3) when the SCBA has reached one-third bottle pressure.

Personal Alert Safety System with Firefighter Locator

The PASS device shall be compliant to the NFPA 1982, 2013 Edition Standard on Personal Alert Safety Systems. Operation of this distress alarm shall be initiated with the opening of the valve of an SCBA charged cylinder. The system shall feature a "hands-free" re-set capability that may be activated by means of a slight movement of the SCBA when the system is in a pre-alert mode. When the PASS device goes into pre-alarm, the user shall be notified through a distinct light pattern in the HUD display.

The system shall operate from a single power source containing six "AA" batteries. The battery life of the SCBA with PASS only shall be no less than 200 hours. The system shall have a battery check function that provides an LED indication of battery status while the SCBA is not pressurized.

When the PASS is manually activated, the locator system shall immediately emit a 2.4 GHz signal to be received by a separate hand-held receiver. When the PASS is activated due to lack of motion, the locator system shall have a ten second delay prior to emitting a 2.4 GHz signal to be received by a separate hand-held receiver. The system shall utilize a 2.4 GHz signal to provide the best path to a "downed" firefighter. The locating system shall be wirelessly programmable with eight alphanumeric characters to provide identification information. The PASS system shall be upgradeable to include a 2.4 GHz integrated SCBA air/PASS telemetry management system.

Emergency Breathing Support System "Buddy Breathing"

The Optional Dual Emergency Breathing Support System (EBSS) shall be approved to NIOSH 42CFR, Part 84 and NFPA 1981, 2013 Edition. The Dual EBSS shall have one of each of the following requirements; (1) a manifold with one of each of a female socket and male plug, both of which have check valves, (2) 40" minimum low-pressure hose, (3) a pouch for storing the hose, and (4) a dust cap for the female socket and male plug. The Dual EBSS system shall be on the wearer's left side and shall be capable of allowing for six feet of hose between like systems.

The manifold shall be made of aluminum and be anodized black. The female socket and male plug shall have spacing, no less than 15 degrees off-center. The female socket shall have a double action to disengage, noted as a "push-in/pull back". The female socket shall have an internal check valve. The male plug shall have an external check valve. The hose shall be made of high temperature rubber capable of sustaining a maximum 250 psig of pressure. The containment system shall include a pouch and shall be made of para-aramid materials and shall be capable of storing 36" of hose. The pouch shall be attached to the SCBA by snap fasteners.

Warranty

The unit shall be covered by a warranty providing protection against defects in materials or workmanship. This warranty shall be for a period of 10 years on the SCBA, except for the pressure reducer, which shall be covered for 15 years. This warranty shall not have any exclusions other than consumables. This warranty shall not require registration in order to activate. This warranty shall not be contingent upon completing mandatory overhaul or recommended preventative Maintenance.

SCBA SPECIFICATION COMPLIANCE & EXCEPTIONS

Please complete the Compliance & Exception summary below. Any exceptions must be indicated with an 'X' on the Exception line and detailed on the enclosed Exceptions sheet, page 14. If there are no exceptions marked, the bid will be considered to be in complete accordance with specifications as written. Following these instructions is essential for proper bid evaluation.

		COMPLY	EXCEPTION
1.	Factory Trained Instructor	_____	_____
2.	Authorized Dealer	_____	_____
3.	Approvals õ õ õ õ õ õ õ õ õ õ õ õ õ õ õ õ õ õ õ ..	_____	_____
4.	Face Piece õ õ õ õ õ õ õ õ õ õ õ õ õ õ õ õ õ	_____	_____
5.	Mask-Mounted Regulator.....	_____	_____
6.	Pressure Reducer w/ Quick Charge Cylinder Connection...	_____	_____
7.	End-Of-Service Time Indicator (EOSTI).....	_____	_____
8.	Harness and Back Frame Assembly.....	_____	_____
9.	Rapid Intervention Connection	_____	_____
10.	Cylinders õ õ õ õ õ õ õ õ õ õ õ õ õ õ õ õ õ õ õ ..	_____	_____
11.	Carbon-Wrapped	_____	_____
12.	Personal Alert Safety System	_____	_____
13.	Console õ õ õ õ õ õ õ õ õ õ õ õ õ õ õ õ õ õ õ ..	_____	_____
14.	Sensor Module õ õ õ õ õ õ õ õ õ õ õ õ õ õ õ õ õ ..	_____	_____
15.	Personal Alert Safety System w/ Firefighter Locator	_____	_____
16.	Emergency Breathing Support System "Buddy Breathing".	_____	_____
17.	Warranty	_____	_____

BID FORM

MANUFACTURER & MODEL # OF SCBA: _____

COSTS:

(18) Self-Contained Breathing Apparatus \$ _____

(45) Face Pieces with protection bags \$ _____

(36) 45-Minute Cylinders \$ _____

(9) Strapless Quick Release SCBA brackets \$ _____

(9) Sets of SCBA U Brackets Mounts \$ _____

(3) Field Level Maintenance Training \$ _____

GRAND TOTAL: \$ _____

GUARANTEED DELIVERY DATE: _____

EXCEPTIONS TO SPECIFICATIONS: _____ YES, SEE ATTACHED _____ NO

COMPANY NAME AND ADDRESS OF BIDDER: _____

PHONE _____

EMAIL _____

AUTHORIZED SIGNATURE:

(PLEASE TYPE OR PRINT NAME)

TITLE: _____

ENCLOSURES: 5% BID BOND or CERTIFIED CHECK, AMOUNT \$ _____

_____ WARRANTY

_____ DESCRIPTIVE LITERATURE

EXCEPTION SHEET

List here any and all exceptions to specifications upon which your bid is based. If there are no exceptions listed here, your bid will be considered to be in complete accordance with specifications.

NAME OF BIDDER _____

CITY OF GARFIELD HEIGHTS



BID DOCUMENT NO. **80-2017**

State of Ohio
PROPOSAL-CONTRACT FORM

ITEM(S) OR SERVICES(S) REQUIRED: GENERAL SELF-CONTAINED BREATHING APPARATUS – SEE DETAILED SPECIFICATIONS

BIDS MUST BE SUBMITTED ON OR BEFORE 2:00 p.m. in the Finance Dept. on February 23, 2018

*Eastern Standard Time or Eastern Standard Daylight Savings Time in Ohio as applicable. The official time shall be as recorded on the Date/Time Recording Clock in the Finance Department. It will be the sole responsibility of the bidder to ensure that his proposal reaches the Finance Department on or before closing hour and date shown above.

The Legal Notice, Invitation-to-Bid, Instruction to Bidders, Specifications, Addendums, and/or any other pertinent document form a part of this proposal and are made a part hereof.

ANTI-COLLUSION STATEMENT: The below signed bidder has not divulged to, discussed or compared his bid with other bidders and has not colluded with any other bidder or parties to a bid whatever. (NOTE: No premiums, rebates or gratuities permitted either with, prior to, or after any delivery of item(s) or service(s). Any such violation will result in cancellation and/or return of the item(s) (as applicable) and removal from Bid List(s).

TO THE CITY OF GARFIELD HEIGHTS, OHIO: We (I), the below signed hereby agree to furnish the following item(s) or service(s) at the price(s) and terms stated subject to all Instructions, Conditions, Specifications, and all attachments hereto. We (I) have read all attachments including the Specifications and fully understand what is required. By submitting this signed proposal, we (I) officially accept a contract if approved by the City and such acceptance covers all terms, conditions and specifications of this proposal; and we (I) hereby agree that we (I) will make available for audit to appropriate City official any applicable records pertinent to a resulting order and/or contract for verification of pricing per terms of purchase agreement.

ALL PRICES TO BE QUOTED F.O.B. GARFIELD HEIGHTS, OHIO (DELIVERED AT THE APPLICABLE CITY ADDRESS INDICATED IN BIDDING DOCUMENT AND/OR PURCHASE ORDER.

WE (I) PROPOSE TO FURNISH THE FOLLOWING TO THE CITY OF GARFIELD HEIGHTS, OHIO (Full description and price(s) · attach separate sheet(s) if required)

- STATEMENT REGARDING PERSONAL PROPERTY TAXES MUST BE COMPLETED.
- STATEMENT REGARDING FEDERAL DEBARRED OR SUSPENDED PARTY LISTING MUST BE COMPLETED
- NON-COLLUSION AFFIDAVIT MUST BE COMPLETED

VARIANCES: State any variations to the specifications, terms, and/or conditions in this space or reference herein all variances contained on other pages of this proposal form or in any bid attachment. Failure to do so can be cause for rejection of bid, or if order is executed, material and/or services provided which do not comply will not be accepted. If no statement is contained in this space, it is hereby implied that your bid complies with the full scope of this bid invitation. (Variances may be outlined on separate sheet to be attached to this PROPOSAL-CONTRACT from.

Bid is firm for acceptance within _____ days after bid opening date.

Completion or Delivery _____ calendar days after receipt of Purchase Order. (City reserves the right to consider delivery or completion time as a vital consideration when making or recommending award).

Guarantee or Warranty _____

PROPOSAL-CONTRACT SUBMITTED BY:

Company _____ Address _____

Signature: _____ Title: _____ Phone No: _____

SUBMIT PROPOSAL IN TRIPLICATE WITH BID — RETAIN ONE (1) COPY FOR YOUR FILE

CITY OF GARFIELD HEIGHTS
State of Ohio

SUBMIT IN TRIPLICATE
WITH PROPOSAL-CONTRACT

BID DOCUMENT NO: 80-2017

PROPOSAL-CONTRACT

CONDITIONS:

The Specifications and Instructions to Bidders are a part of this contract as effectively as though they preceded the signatures of the parties. This contract is not valid until accepted and signed by the authorized officers of the City of Garfield Heights, Ohio. When accepted by the City, this Proposal-Contract and all parts thereof shall be a contract between the Bidder and the City.

Name of Bidder	Bidder's Address
BY: _____ Title	State where incorporated
Title	Date

.....

ACCEPTED _____
Date

CITY OF GARFIELD HEIGHTS, OHIO

BY _____
Mayor

APPROVED AS TO LEGAL FORM

Director of Law

Date

I hereby certify that the money required for this contract is in the Treasury to the credit of the proper fund, and not appropriated for any other purpose.

Director of Finance

Date

STATEMENT REGARDING PERSONAL PROPERTY TAXES

I, _____
(Name) (Title)

of _____, do hereby certify that this firm or
(Company Name)

person is is not delinquent in the filing and/or payment of personal property taxes in
(Circle one)

Cuyahoga County, State of Ohio.

(If the answer is in the affirmative, please submit a statement listing the year or years of delinquency and the amounts)

Signed: _____

Name of Firm: _____

Address: _____

Telephone: _____

State of Ohio)
) SS
County of Cuyahoga)

Sworn to and subscribed in my presence this _____ day of _____

Notary Public

Note: If business is not located in Cuyahoga County, please add a brief explanation to the above to the effect that no taxes are owed to Cuyahoga County (if such is the case), or to the County in which the business is located.

NON-COLLUSION AFFIDAVIT

This affidavit is to be completed and executed by the bidder. (If this bid is made by a Corporation, then by its Chief Officer.)

STATE OF: _____

COUNTY OF: _____

Being first duly sworn, deposes and says that _____
Residing at _____ and _____
Residing at _____ and _____
Residing at _____ and _____

is (are) the only person(s) interested with (him) (them) in the delivery of the insurance quoted upon or the service performed under these specifications; that the said quotation is made without any connection or common interest in the profits with any other persons making any quotation or proposal for the said work; that the said contract is on (his) (their) part in all respects fair and without collusion or fraud; and also that no employee or administrative official of the City of Garfield Heights is directly or indirectly interested therein.

SIGNATURE: _____

TITLE: _____

State of Ohio)
) SS
County of Cuyahoga)

Sworn to and subscribed in my presence this _____ day of _____

Notary Public

LETTER TO CONTRACTORS

Subject: OSHA HAZARD COMMUNICATION

STANDARD To Whom It May Concern:

The Occupational Safety & Health Administration (OSHA) Hazard Communication Standard (29CFR 1910.1200) states that contractors/suppliers must be informed of the hazardous chemicals their employees may be exposed to while performing their work and any appropriate protective measures. In order to comply with this requirement, The City of Garfield Heights has developed a list of all the hazardous chemicals known to be present in our facility. A Safety Data Sheet (SDS) is also on file for each of these chemicals and/or hazardous substances. This information is available to you and to your employees upon request.

In order to protect the safety and health of our own employees, contractors/suppliers must provide (upon request) an SDS on any hazardous chemical(s) or material(s) which they bring into this facility. Failure to provide this information in a timely manner will result in the removal of the contractor/supplier from the premises.

Each employer is also responsible for notifying any subcontractor they employ regarding the requirements of OSHA's Hazard Communication Standard and other provisions described in this letter.

If we can be of any further assistance, please feel free to contact the requesting Department's Director at 216-475-4053 (Fire Department).

Sincerely,

Mayor Vic Collova

CERTIFICATE OF COMPLIANCE

By signing this certificate, I certify that I/my company is in full compliance with the political contributions limitations established in Ohio Revised Code 3517.13, and is therefore eligible to receive a contract from the City of Garfield Heights.

Ohio Revised Code 3517.13 states in part that no political subdivision shall award any contract for the purchase of goods or services with a cost aggregating more than ten thousand dollars in a calendar year, to any individual, partnership or other unincorporated business, if any member of the firm, their spouse and/or certain other individuals has made, within the previous twenty-four months, one or more contributions totaling in excess of one thousand dollars to the holder of the public office having ultimate responsibility for the award of the contract or to the public officer's campaign committee, or one or more contributions totaling in excess of two thousand dollars for the business. Bidders are responsible for understanding the code, how it pertains to their business and whether they comply. The complete Code can be found at <http://codes.ohio.gov/orc/3517.13>.

Garfield Hts. elected officials are: Mayor Vic Collova, Michael Dudley, Sr., Joe LaMalfa, Michael T. Nenadovich, Eugene Glenn, Joseph M. Suster, Matt Burke, Thomas Vaughn.

COMPANY NAME _____

ADDRESS _____

AUTHORIZED SIGNATURE _____

PRINTED NAME _____

EMAIL ADDRESS _____

DATE SIGNED _____

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DESCRIPTION OF WORK TO BE PERFORMED

Furnish Specified Self-Contained Breathing Apparatus Units and Related Equipment
to the Garfield Hts. Fire Department